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An analysis of the work (see following table) of the Tulaugol' Combine mine faces for the 9 months from June 1949 to March 1950 indicates that a considerable improvement was made by the lengthened mine faces.

	<u>Length of Mine Face (meters)</u>					
	<u>30-40</u>	<u>40-50</u>	<u>50-60</u>	<u>60-70</u>	<u>70-80</u>	<u>80-and more</u>
Av thickness of seam (m)	2.20	2.24	2.40	2.37	2.42	2.56
Av daily coal output (t)	106	118	132	166	169	187
Monthly advance of mine faces (m)	30	27	23	26	22	21
Labor productivity per worker per section per shift (t)	3.06	3.21	3.32	3.65	3.40	3.75
Labor productivity per cutter and loader per shift (t)	8.90	9.17	9.20	10.30	10.20	11.20
Amt removed from 1 linear meter of mine face (t)	3.45	2.62	2.39	2.55	2.25	2.20

The above data indicate that the daily coal output is 76 percent higher at mine faces more than 80 meters long than at those 30-40 meters long and labor productivity is 22 percent higher.

Mine Faces 42-44 of the Mine No 4 of the Skuratovugol' Trust gave a very fine performance in April 1950 and their results are shown in the following table:

Length of both faces (m)	196
Thickness of seam (meters)	2.53
Daily coal output from both faces (t)	760
Mo advance of each face (m)	37
Amt removed from 1 linear meter of face (t)	3.8
Labor productivity per worker per section per shift (t)	4.0
Labor productivity per cutter and loader per section per shift (t)	12.8
Number of cutters and loaders per 100 linear meters of face	31

Experience has shown that lengthening the Moscow Basin mine faces will play an important part in increasing the coal output and the labor productivity in that area. In each instance, however, the geological conditions must be taken into consideration. Where difficult conditions are encountered, it is inadvisable to increase the length of the mine face to more than 50 meters, since a longer mine face will, under these conditions, result in a lower coal output and reduced labor productivity. Where geological conditions are favorable, it is expedient to increase the length of the mine face up to 60-80 meters, and in exceptionally favorable circumstances up to 100 meters.

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